# BRUHAT BANGALORE MAHANAGARA PALIKE

**Name of Work:Improvements to Roads and Drains at Byarappa Garden, KNE College 4th Block,Kateramma Layout cross Roads in ward No 10 Doddabommasandra**

## BYATARAYANAPURA DIVISION

# EMB

**1st & Final Bill**

# BRUHAT BANGALORE MAHANAGARA PALIKE

**Name of Work: Improvements to Roads and Drains at Byarappa Garden, KNE College 4th Block,Kateramma Layout cross Roads in ward No 10 Doddabommasandra**

## BYATARAYANAPURA DIVISION

# DETAILED-MEASUREMENTS

# BRUHATH BANGALORE MAHANAGARAPALIKE

## YELAHANKA ZONE

## 1ST AND FINAL BILL

**Name of Work :Improvements to Roads and Drains at Byarappa Garden, KNE College 4th Block,Kateramma Layout cross Roads in ward No 10 Doddabommasandra**

**Estimate Cost:** 100.00 Lakh

**JOB NUMBER:** 010-20-000042

**As No** :AS/EE(BTP)/99/19-20 Dated:29-02-2020

**Ts No** :TS/SE(YNK)/32/19-20 Dated:04-03-2020

**Work Order No:** BBMP/EE/BTP/WO/209/2019-20 Dated:10-03-2020

**Name of Contractor :** M/S KRIDL

| Item No | Description of Item | No | Length | Breadth | D1 | D2 | Avg Depth | Unit | Qty | Rate in Rs | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the | | | | | | | | | | |
| | **Qty Taken from Pre measurement page Item No. 1, page No.1** | | | | | | | **Cum** | **11.96** | **496.00** | **5929.68** |
| 2 | KSRRB 300-3. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. (Page No. 142/ Item No. 19.1/ PWD SR 2018-19) | | | | | | | | | | |
| | **Qty Taken from Pre measurement page Item No. 2, Page No.2 to 5** | | | | | | | **Cum** | **1261.01** | **220.40** | **277925.61** |
| 3 | Removing And Refixing stone slabs of drains and pointing in C.M (1:3) (Page No.27/ Item No.5.33/ PWD SR 2018-19) | | | | | | | | | | |
| | **Qty Taken from Pre measurement page Item No. 3, Page No.6** | | | | | | | **Sqm** | **94.83** | **111.30** | **10554.58** |
| 4 | KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18 PWD SR 2018-19) | | | | | | | | | | |
| | **Qty Taken from Pre measurement page Item No. 4, Page No.7 to 10** | | | | | | | **Cum** | **489.99** | **5509.33** | **2699526.76** |
| 5 | Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm | | | | | | | | | | |
| | **Bottom raft** | | | | | | | | | | |
| | **For New RCC Drain** | | | | | | | | | | |
| | **Doddabommasandra Main road** | | | | | | | | | | |
| | From 2nd Main to 1st A main road | | | | | | | | | | |
| | | 1 | 22.80 | 0.90 | 0.15 | 0.15 | 0.15 | | 3.08 | | |
| | | 1 | 25.50 | 0.90 | 0.15 | 0.15 | 0.15 | | 3.44 | | |
| | **1st A Main road** | | | | | | | | | | |
| | | 1 | 15.20 | 0.90 | 0.15 | 0.15 | 0.15 | | 2.05 | | |
| | | 1 | 3.60 | 0.90 | 0.15 | 0.15 | 0.15 | | 0.49 | | |
| | | 1 | 21.50 | 0.90 | 0.15 | 0.15 | 0.15 | | 2.90 | | |
| | | 1 | 5.45 | 0.90 | 0.15 | 0.15 | 0.15 | | 0.74 | | |
| | | 1 | 2.50 | 0.90 | 0.15 | 0.15 | 0.15 | | 0.34 | | |
| | | 1 | 2.35 | 0.90 | 0.15 | 0.15 | 0.15 | | 0.32 | | |
| | | 1 | 25.50 | 0.90 | 0.15 | 0.15 | 0.15 | | 3.44 | | |
| | **For New RCC Culvert** | | | | | | | | | | |
| | **Byrappa Garden** | | | | | | | | | | |
| | Culvert @ 2nd cross | 1 | 4.35 | 1.30 | 0.20 | 0.20 | 0.20 | | 1.13 | | |
| | Culvert @ 3rd cross | 1 | 4.20 | 1.30 | 0.20 | 0.20 | 0.20 | | 1.09 | | |
| | Culvert @ 4th cross | 1 | 3.00 | 1.30 | 0.20 | 0.20 | 0.20 | | 0.78 | | |
| | **For Wall** | | | | | | | | | | |
| | **For New RCC Drain** | | | | | | | | | | |

19.8

| Item No | Description of Item | No | Length | Breadth | D1 | D2 | Avg Depth | Unit | Qty | Rate in Rs | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Doddabommasandra Main road** | | | | | | | | | | |
| | From 2nd Main to 1st A main road | | | | | | | | | | |
| | | 2 | 22.80 | 0.15 | 0.50 | 0.65 | 0.58 | | 3.93 | | |
| | | 2 | 25.50 | 0.15 | 0.65 | 0.65 | 0.65 | | 4.97 | | |
| | **1st A Main road** | | | | | | | | | | |
| | | 2 | 15.20 | 0.15 | 0.55 | 0.60 | 0.58 | | 2.62 | | |
| | | 2 | 3.60 | 0.15 | 0.60 | 0.65 | 0.63 | | 0.68 | | |
| | | 2 | 21.50 | 0.15 | 0.65 | 0.70 | 0.68 | | 4.35 | | |
| | | 2 | 5.45 | 0.15 | 0.75 | 0.75 | 0.75 | | 1.23 | | |
| | | 2 | 2.50 | 0.15 | 0.75 | 0.74 | 0.75 | | 0.56 | | |
| | | 2 | 2.35 | 0.15 | 0.74 | 0.68 | 0.71 | | 0.50 | | |
| | | 2 | 25.50 | 0.15 | 0.65 | 0.50 | 0.58 | | 4.40 | | |
| | **For New RCC Culvert** | | | | | | | | | | |
| | **Byrappa Garden** | | | | | | | | | | |
| | Culvert @ 2nd cross | 2 | 4.35 | 0.30 | 0.60 | 0.60 | 0.60 | | 1.57 | | |
| | Culvert @ 3rd cross | 2 | 4.20 | 0.30 | 0.60 | 0.60 | 0.60 | | 1.51 | | |
| | Culvert @ 4th cross | 2 | 3.00 | 0.30 | 0.60 | 0.60 | 0.60 | | 1.08 | | |
| | **For Vent Portion** | | | | | | | | | | |
| | **Cross road from 1st to 5th cross** | | | | | | | | | | |
| | | 1 | 18.90 | 0.60 | 0.15 | 0.15 | 0.15 | | 1.70 | | |
| | | 1 | 6.80 | 0.60 | 0.15 | 0.15 | 0.15 | | 0.61 | | |
| | | 1 | 3.70 | 0.60 | 0.15 | 0.15 | 0.15 | | 0.33 | | |
| | | 1 | 8.30 | 0.60 | 0.15 | 0.15 | 0.15 | | 0.75 | | |
| | | 1 | 17.80 | 0.60 | 0.15 | 0.15 | 0.15 | | 1.60 | | |
| | | 1 | 1.20 | 0.60 | 0.15 | 0.15 | 0.15 | | 0.11 | | |
| | | 1 | 7.60 | 0.60 | 0.15 | 0.15 | 0.15 | | 0.68 | | |
| | | 1 | 12.90 | 0.60 | 0.15 | 0.15 | 0.15 | | 1.16 | | |
| | 7th A Cross From Dead end | | | | | | | | | | |
| | LHS | 1 | 30.00 | 0.60 | 0.10 | 0.10 | 0.10 | | 1.80 | | |
| | | 1 | 15.60 | 0.60 | 0.10 | 0.10 | 0.10 | | 0.94 | | |
| | RHS | 1 | 30.00 | 0.60 | 0.10 | 0.10 | 0.10 | | 1.80 | | |
| | | 1 | 15.60 | 0.60 | 0.10 | 0.10 | 0.10 | | 0.94 | | |
| | **Coping** | | | | | | | | | | |
| | **Byrappa Garden** | | | | | | | | | | |
| | Cross road from 1st to 5th cross | 2 | 17.40 | 0.15 | 0.15 | 0.15 | 0.15 | | 0.78 | | |
| | | 2 | 18.90 | 0.15 | 0.15 | 0.15 | 0.15 | | 0.85 | | |
| | | 2 | 6.80 | 0.15 | 0.15 | 0.15 | 0.15 | | 0.31 | | |
| | | 2 | 3.70 | 0.15 | 0.15 | 0.15 | 0.15 | | 0.17 | | |
| | | 2 | 8.30 | 0.15 | 0.15 | 0.15 | 0.15 | | 0.37 | | |
| | | 2 | 17.80 | 0.15 | 0.15 | 0.15 | 0.15 | | 0.80 | | |
| | | 2 | 1.20 | 0.15 | 0.15 | 0.15 | 0.15 | | 0.05 | | |
| | | 2 | 7.60 | 0.15 | 0.15 | 0.15 | 0.15 | | 0.34 | | |
| | | 2 | 12.90 | 0.15 | 0.15 | 0.15 | 0.15 | | 0.58 | | |
| | **K.N.E. College 4th block** | | | | | | | | | | |
| | 7th A Cross From Dead end | | | | | | | | | | |
| | LHS | 2 | 30.00 | 0.15 | 0.15 | 0.15 | 0.15 | | 1.35 | | |
| | | 2 | 15.60 | 0.15 | 0.15 | 0.15 | 0.15 | | 0.70 | | |
| | RHS | 2 | 30.00 | 0.15 | 0.15 | 0.15 | 0.15 | | 1.35 | | |
| | | 2 | 15.60 | 0.15 | 0.15 | 0.15 | 0.15 | | 0.70 | | |
| | | | | | | | | | | | |
| | **Ramakka-Dasappa Layout** | | | | | | | | | | |
| | Perpendiculer road from 2nd A cross | | | | | | | | | | |
| | LHS | 2 | 30.00 | 0.15 | 0.15 | 0.15 | 0.15 | | 1.35 | | |
| | | 2 | 18.70 | 0.15 | 0.15 | 0.15 | 0.15 | | 0.84 | | |
| | RHS | 2 | 21.80 | 0.15 | 0.15 | 0.15 | 0.15 | | 0.98 | | |
| | | | | | | | **Present Qty** | **Cum** | **71.15** | **7189.42** | **511520.27** |
| **6** | Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications. | | | | | | | | | | |
| | **Qty Taken from Pre measurement page Item No.6, Page No.11 to 12** | | | | | | | **Tonne** | **3.48** | **72326.98** | **251406.24** |

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

| Item No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Unit | Qty | Rate in Rs | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work, lift charges,curing and concrtee finished surface on both sides etc,and complete as per the directions of Enginner in charges.(Data Rate) | | | | | | | | | | |
| | **Doddabommasandra Main road** | | | | | | | | | | |
| | From 2nd Main to 1st A main road | | | | | | | | | | |
| | | 1 | 12.60 | | | 0.90 | | | 11.34 | | |
| | | 1 | 14.70 | | | 0.90 | | | 13.23 | | |
| | **1st A Main road** | | | | | | | | | | |
| | | 1 | 15.20 | | | 0.90 | | | 13.68 | | |
| | | 1 | 21.50 | | | 0.90 | | | 19.35 | | |
| | | 1 | 2.50 | | | 0.90 | | | 2.25 | | |
| | | 1 | 25.50 | | | 0.90 | | | 22.95 | | |
| | **Ramakka-Dasappa Layout** | | | | | | | | | | |
| | Perpendiculer road from 2nd A cross | | | | | | | | | | |
| | **LHS** | 45 | 0.60 | | | 0.75 | | | 20.25 | | |
| | | 14 | 0.60 | | | 0.90 | | | 7.56 | | |
| | **RHS** | 35 | 0.60 | | | 0.75 | | | 15.75 | | |
| | | | | | | | | **Present Qty** | **Sqm** | **126.36** | **2337.00** | **295303.32** |
| 8 | Providing and fixing Precast RCC slab of 250mm thick for Culverts made of Plain/Reinforced Cement Concrete design mix M25 with OPC@340kgs,with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates@0.47cum,with superplasticizer@3lts confirming to 189103-1999 Reaffirmed-2008,Open Foundation complete as per Drawing and Technical Specification including cost of all materials, labour,HOM curing,form works,scaffolding and centering complete as per specifications and pointing for ljoints 1:3 cement mortar including form work,lift charges,curing and concrete finished surfaces on both sides etc,complete and as per the directions of Engineer in-Charge. (Data Rate) | | | | | | | | | | |
| | **For New RCC Culvert** | | | | | | | | | | |
| | **Byrappa Garden** | | | | | | | | | | |
| | Culvert @ 2nd cross | 1 | 4.35 | | | 1.20 | | | 5.22 | | |
| | Culvert @ 3rd cross | 1 | 4.20 | | | 1.20 | | | 5.04 | | |
| | Culvert @ 4th cross | 1 | 3.00 | | | 1.20 | | | 3.60 | | |
| | | | | | | | | **Present Qty** | **Sqm** | **13.86** | **5418.00** | **75093.48** |
| 9 | Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. | | | | | | | | | | |
| | **Qty Taken from Pre measurement page Item No.11, Page No.13 to 15 ( Qty Upto 125%)** | | | | | | | **Cum** | **442.72** | **952.94** | **421885.00** |
| | **Qty Above 125%** | | | | | | | **Cum** | **32.58** | **952.94** | **31042.15** |
| 10 | Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. | | | | | | | | | | |
| | **Qty Taken from Pre measurement page Item No.12, Page No.16 to 18** | | | | | | | **Sqm** | **3112.45** | **6.36** | **19795.18** |
| 11 | Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. | | | | | | | | | | |
| | **Qty Taken from Pre measurement page Item No.13, Page No.19 to 21** | | | | | | | **Cum** | **466.87** | **2001.28** | **934332.37** |
| 12 | Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) | | | | | | | | | | |

| Item No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Unit | Qty | Rate in Rs | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | For CC Road | | | | | | | | | | |
| | Byrappa Garden | | | | | | | | | | |
| | 4th cross from Main road | 1 | 15.00 | 4.70 | 4.50 | 4.60 | 0.15 | | 10.35 | | |
| | | 1 | 15.00 | 4.50 | 5.10 | 4.80 | 0.15 | | 10.80 | | |
| | | 1 | 6.90 | 5.10 | 5.15 | 5.13 | 0.15 | | 5.30 | | |
| | | 1 | 18.00 | 4.45 | 5.75 | 5.10 | 0.15 | | 13.77 | | |
| | | 1 | 6.20 | 5.75 | 5.60 | 5.68 | 0.15 | | 5.28 | | |
| | | 1 | 9.70 | 5.60 | 5.60 | 5.60 | 0.15 | | 8.15 | | |
| | 3rd cross from Main road | | | | | | | | | | |
| | | 1 | 15.00 | 5.00 | 5.00 | 5.00 | 0.15 | | 11.25 | | |
| | | 1 | 15.00 | 5.00 | 4.80 | 4.90 | 0.15 | | 11.03 | | |
| | | 1 | 5.70 | 4.80 | 4.95 | 4.88 | 0.15 | | 4.17 | | |
| | | 1 | 15.00 | 4.50 | 4.50 | 4.50 | 0.15 | | 10.13 | | |
| | | 1 | 11.85 | 4.50 | 4.95 | 4.73 | 0.15 | | 8.40 | | |
| | 2nd cross | | | | | | | | | | |
| | | 1 | 15.00 | 4.25 | 4.45 | 4.35 | 0.15 | | 9.79 | | |
| | | 1 | 15.00 | 4.45 | 4.70 | 4.58 | 0.15 | | 10.29 | | |
| | | 1 | 7.90 | 4.70 | 5.00 | 4.85 | 0.15 | | 5.75 | | |
| | Cross road from 1st to 5th cross | | | | | | | | | | |
| | | 1 | 15.00 | 3.60 | 3.10 | 3.35 | 0.15 | | 7.54 | | |
| | | 1 | 15.00 | 3.10 | 3.55 | 3.33 | 0.15 | | 7.48 | | |
| | | 1 | 15.00 | 3.55 | 3.30 | 3.43 | 0.15 | | 7.71 | | |
| | | 1 | 15.00 | 3.30 | 3.70 | 3.50 | 0.15 | | 7.88 | | |
| | | 1 | 15.00 | 3.70 | 3.40 | 3.55 | 0.15 | | 7.99 | | |
| | | 1 | 14.30 | 3.40 | 3.80 | 3.60 | 0.15 | | 7.72 | | |
| | 6th cross from Main road | | | | | | | | | | |
| | | 1 | 20.00 | 4.75 | 4.60 | 4.68 | 0.15 | | 14.03 | | |
| | 1st A Main road | | | | | | | | | | |
| | | 1 | 15.00 | 5.00 | 5.00 | 5.00 | 0.15 | | 11.25 | | |
| | | 1 | 15.00 | 5.00 | 5.00 | 5.00 | 0.15 | | 11.25 | | |
| | | 1 | 8.30 | 5.00 | 5.00 | 5.00 | 0.15 | | 6.23 | | |
| | | 1 | 15.00 | 3.50 | 3.55 | 3.53 | 0.15 | | 7.93 | | |
| | | 1 | 14.20 | 3.55 | 3.80 | 3.68 | 0.15 | | 7.83 | | |
| | K.N.E. College 4th block | | | | | | | | | | |
| | 7th A Cross From Dead end | | | | | | | | | | |
| | | 1 | 8.00 | 5.80 | 5.55 | 5.68 | 0.15 | | 6.81 | | |
| | | 1 | 15.00 | 3.80 | 3.70 | 3.75 | 0.15 | | 8.44 | | |
| | | 1 | 15.00 | 3.70 | 3.80 | 3.75 | 0.15 | | 8.44 | | |
| | | 1 | 15.00 | 3.80 | 3.90 | 3.85 | 0.15 | | 8.66 | | |
| | | 1 | 5.60 | 3.90 | 4.00 | 3.95 | 0.15 | | 3.32 | | |
| | 9th Cross From Main road | | | | | | | | | | |
| | | 1 | 15.00 | 4.55 | 4.00 | 4.28 | 0.15 | | 9.62 | | |
| | | 1 | 15.00 | 4.00 | 4.20 | 4.10 | 0.15 | | 9.23 | | |
| | | 1 | 14.30 | 4.20 | 3.90 | 4.05 | 0.15 | | 8.69 | | |
| | | 1 | 5.80 | 3.45 | 3.45 | 3.45 | 0.15 | | 3.00 | | |
| | 10th Cross From Main road | | | | | | | | | | |
| | | 1 | 15.00 | 5.80 | 4.85 | 5.33 | 0.15 | | 11.98 | | |
| | | 1 | 15.00 | 4.85 | 4.30 | 4.58 | 0.15 | | 10.29 | | |
| | | 1 | 18.00 | 4.30 | 4.20 | 4.25 | 0.15 | | 11.48 | | |
| | Vinayaka Temple Surroundings | | | | | | | | | | |
| | | 1 | 2.75 | 3.70 | 3.70 | 3.70 | 0.15 | | 1.53 | | |
| | | 1 | 3.45 | 3.60 | 3.60 | 3.60 | 0.15 | | 1.86 | | |
| | | 1 | 5.80 | 10.25 | 10.25 | 10.25 | 0.15 | | 8.92 | | |
| | | 1 | 18.50 | 10.20 | 10.60 | 10.40 | 0.15 | | 28.86 | | |
| | | 1 | 15.60 | 1.60 | 1.60 | 1.60 | 0.15 | | 3.74 | | |
| | | 1 | 18.80 | 1.50 | 1.60 | 1.55 | 0.15 | | 4.37 | | |
| | Ramakka-Dasappa Layout | | | | | | | | | | |
| | 2nd A cross | 1 | 15.00 | 3.80 | 3.40 | 3.60 | 0.15 | | 8.10 | | |
| | | 1 | 18.40 | 3.40 | 3.60 | 3.50 | 0.15 | | 9.66 | | |
| | | 1 | 7.55 | 3.90 | 3.30 | 3.60 | 0.15 | | 4.08 | | |
| | | 1 | 10.60 | 3.75 | 4.30 | 4.03 | 0.15 | | 6.40 | | |

Assistant Executive Engineer
Vijayanagara Sub Division
BBMP, Bangalore-97

| Item No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Unit | Qty | Rate in Rs | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Perpendiculer road from 2nd A cross** | | | | | | | | | | |
| | | 1 | 3.70 | 5.40 | 5.20 | 5.30 | 0.15 | | 2.94 | | |
| | | 1 | 14.80 | 4.70 | 3.70 | 4.20 | 0.15 | | 9.32 | | |
| | | 1 | 15.00 | 3.30 | 3.40 | 3.35 | 0.15 | | 7.54 | | |
| | | 1 | 15.00 | 3.40 | 3.80 | 3.60 | 0.15 | | 8.10 | | |
| | | 1 | 12.30 | 3.80 | 3.60 | 3.70 | 0.15 | | 6.83 | | |
| | | 1 | 8.50 | 2.90 | 2.60 | 2.75 | 0.15 | | 3.51 | | |
| | **Kateramma Layout** | | | | | | | | | | |
| | **1st cross** | | | | | | | | | | |
| | | 1 | 15.00 | 4.85 | 4.30 | 4.58 | 0.15 | | 10.29 | | |
| | | 1 | 15.00 | 4.30 | 4.55 | 4.43 | 0.15 | | 9.96 | | |
| | | 1 | 18.70 | 4.55 | 5.00 | 4.78 | 0.15 | | 13.39 | | |
| | **2nd cross** | | | | | | | | | | |
| | | 1 | 15.00 | 5.00 | 4.70 | 4.85 | 0.15 | | 10.91 | | |
| | | 1 | 15.00 | 4.70 | 4.55 | 4.63 | 0.15 | | 10.41 | | |
| | | 1 | 19.00 | 4.55 | 4.00 | 4.28 | 0.15 | | 12.18 | | 1530.87 |
| | **Deductions** | | | | | | | | | | |
| | **Byrappa Garden** | | | | | | | | | | |
| | **Cross road from 1st to 5th cross** | | | | | | | | | | |
| | Electric Pole | -5 | 0.20 | 0.20 | 0.20 | 0.20 | 0.15 | | -0.03 | | |
| | Man Hole | -3 | | (3.142*0.9*0.9/4) | | | 0.15 | | -0.29 | | |
| | **6th cross from Main road** | | | | | | | | | | |
| | Man Hole | -2 | | (3.142*0.9*0.9/4) | | | 0.15 | | -0.19 | | |
| | **K.N.E. College 4th block** | | | | | | | | | | |
| | **7th A Cross From Dead end** | | | | | | | | | | |
| | Electric Pole | -1 | 0.20 | 0.20 | 0.20 | 0.20 | 0.15 | | -0.01 | | |
| | Trees | -2 | | (3.142*0.45*0.45/4) | | | 0.15 | | -0.05 | | |
| | **10th Cross From Main road** | | | | | | | | | | |
| | Electric Pole | -1 | 0.20 | 0.20 | 0.20 | 0.20 | 0.15 | | -0.01 | | |
| | Man Hole | -2 | | (3.142*0.9*0.9/4) | | | 0.15 | | -0.19 | | |
| | **Vinayaka Temple Surroundings** | | | | | | | | | | |
| | Chamber | -1 | 2.30 | 1.90 | 1.90 | 1.90 | 0.15 | | -0.66 | | |
| | Steps | -1 | 2.45 | 0.85 | 0.85 | 0.85 | 0.15 | | -0.31 | | |
| | | -1 | 1.00 | 0.35 | 0.35 | 0.35 | 0.15 | | -0.05 | | |
| | Column | -4 | 0.40 | 0.40 | 0.40 | 0.40 | 0.15 | | -0.10 | | |
| | Temple | -1 | 4.90 | 5.12 | 5.12 | 5.12 | 0.15 | | -3.76 | | |
| | | -1 | 3.15 | 2.50 | 2.50 | 2.50 | 0.15 | | -1.18 | | |
| | **Ramakka-Dasappa Layout** | | | | | | | | | | |
| | **2nd A cross** | | | | | | | | | | |
| | Ramp | -1 | 3.00 | 0.20 | 0.20 | 0.20 | 0.15 | | -0.09 | | |
| | **Kateramma Layout** | | | | | | | | | | |
| | **1st cross** | | | | | | | | | | |
| | Ramp | -1 | 1.30 | 1.00 | 1.00 | 1.00 | 0.15 | | -0.20 | | |
| | | -1 | 1.00 | 0.40 | 0.40 | 0.40 | 0.15 | | -0.06 | | |
| | | -1 | 4.00 | 1.00 | 1.00 | 1.00 | 0.15 | | -0.60 | | |
| | | -1 | 3.00 | 1.00 | 1.00 | 1.00 | 0.15 | | -0.45 | | |
| | | -1 | 4.00 | 0.50 | 0.50 | 0.50 | 0.15 | | -0.30 | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | | -0.10 | | |
| | **2nd cross** | | | | | | | | | | |
| | Ramp | -1 | 5.00 | 0.30 | 0.30 | 0.30 | 0.15 | | -0.23 | | |
| | Man Hole | -2 | | (3.142*0.9*0.9/4) | | | 0.15 | | -0.19 | | |
| | | | | | | | **Present Qty** | **Cum** | **503.09** | **5354.02** | **2693542.73** |
| **13** | Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. | | | | | | | | | | |
| | **For CC Road** | | | | | | | | | | |
| | **Byrappa Garden** | | | | | | | | | | |
| | **4th cross from Main road** | 1 | 15.00 | 4.70 | 4.50 | 4.60 | | | 69.00 | | |
| | | 1 | 15.00 | 4.50 | 5.10 | 4.80 | | | 72.00 | | |
| | | 1 | 6.90 | 5.10 | 5.15 | 5.13 | | | 35.36 | | |
| | | | | | | | | | | | |
| | | 1 | 18.00 | 4.45 | 5.75 | 5.10 | | | 91.80 | | |
| | | 1 | 6.20 | 5.75 | 5.60 | 5.68 | | | 35.19 | | |
| | | 1 | 9.70 | 5.60 | 5.60 | 5.60 | | | 54.32 | | |

Checked
Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

| m No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Unit | Qty | Rate in Rs | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | **3rd cross from Main road** | | | | | | | | | | |
| | | 1 | 15.00 | 5.00 | 5.00 | 5.00 | | | 75.00 | | |
| | | 1 | 15.00 | 5.00 | 4.80 | 4.90 | | | 73.50 | | |
| | | 1 | 5.70 | 4.80 | 4.95 | 4.88 | | | 27.79 | | |
| | | | | | | | | | | | |
| | | 1 | 15.00 | 4.50 | 4.50 | 4.50 | | | 67.50 | | |
| | | 1 | 11.85 | 4.50 | 4.95 | 4.73 | | | 55.99 | | |
| | **2nd cross** | | | | | | | | | | |
| | | 1 | 15.00 | 4.25 | 4.45 | 4.35 | | | 65.25 | | |
| | | 1 | 15.00 | 4.45 | 4.70 | 4.58 | | | 68.63 | | |
| | | 1 | 7.90 | 4.70 | 5.00 | 4.85 | | | 38.32 | | |
| | **Cross road from 1st to 5th cross** | | | | | | | | | | |
| | | 1 | 15.00 | 3.60 | 3.10 | 3.35 | | | 50.25 | | |
| | | 1 | 15.00 | 3.10 | 3.55 | 3.33 | | | 49.88 | | |
| | | 1 | 15.00 | 3.55 | 3.30 | 3.43 | | | 51.38 | | |
| | | 1 | 15.00 | 3.30 | 3.70 | 3.50 | | | 52.50 | | |
| | | 1 | 15.00 | 3.70 | 3.40 | 3.55 | | | 53.25 | | |
| | | 1 | 14.30 | 3.40 | 3.80 | 3.60 | | | 51.48 | | |
| | **6th cross from Main road** | | | | | | | | | | |
| | | 1 | 20.00 | 4.75 | 4.60 | 4.68 | | | 93.50 | | |
| | **1st A Main road** | | | | | | | | | | |
| | | 1 | 15.00 | 5.00 | 5.00 | 5.00 | | | 75.00 | | |
| | | 1 | 15.00 | 5.00 | 5.00 | 5.00 | | | 75.00 | | |
| | | 1 | 8.30 | 5.00 | 5.00 | 5.00 | | | 41.50 | | |
| | | | | | | | | | | | |
| | | 1 | 15.00 | 3.50 | 3.55 | 3.53 | | | 52.88 | | |
| | | 1 | 14.20 | 3.55 | 3.80 | 3.68 | | | 52.19 | | |
| | **K.N.E. College 4th block** | | | | | | | | | | |
| | **7th A Cross From Dead end** | | | | | | | | | | |
| | | 1 | 8.00 | 5.80 | 5.55 | 5.68 | | | 45.40 | | |
| | | 1 | 15.00 | 3.80 | 3.70 | 3.75 | | | 56.25 | | |
| | | 1 | 15.00 | 3.70 | 3.80 | 3.75 | | | 56.25 | | |
| | | 1 | 15.00 | 3.80 | 3.90 | 3.85 | | | 57.75 | | |
| | | 1 | 5.60 | 3.90 | 4.00 | 3.95 | | | 22.12 | | |
| | **9th Cross From Main road** | | | | | | | | | | |
| | | 1 | 15.00 | 4.55 | 4.00 | 4.28 | | | 64.13 | | |
| | | 1 | 15.00 | 4.00 | 4.20 | 4.10 | | | 61.50 | | |
| | | 1 | 14.30 | 4.20 | 3.90 | 4.05 | | | 57.92 | | |
| | | 1 | 5.80 | 3.45 | 3.45 | 3.45 | | | 20.01 | | |
| | **10th Cross From Main road** | | | | | | | | | | |
| | | 1 | 15.00 | 5.80 | 4.85 | 5.33 | | | 79.88 | | |
| | | 1 | 15.00 | 4.85 | 4.30 | 4.58 | | | 68.63 | | |
| | | 1 | 18.00 | 4.30 | 4.20 | 4.25 | | | 76.50 | | |
| | **Vinayaka Temple Surroundings** | | | | | | | | | | |
| | | 1 | 2.75 | 3.70 | 3.70 | 3.70 | | | 10.18 | | |
| | | 1 | 3.45 | 3.60 | 3.60 | 3.60 | | | 12.42 | | |
| | | 1 | 5.80 | 10.25 | 10.25 | 10.25 | | | 59.45 | | |
| | | 1 | 18.50 | 10.20 | 10.60 | 10.40 | | | 192.40 | | |
| | | 1 | 15.60 | 1.60 | 1.60 | 1.60 | | | 24.96 | | |
| | | 1 | 18.80 | 1.50 | 1.60 | 1.55 | | | 29.14 | | |
| | **Ramakka-Dasappa Layout** | | | | | | | | | | |
| | **2nd A cross** | | | | | | | | | | |
| | | 1 | 15.00 | 3.80 | 3.40 | 3.60 | | | 54.00 | | |
| | | 1 | 18.40 | 3.40 | 3.60 | 3.50 | | | 64.40 | | |
| | | 1 | 7.55 | 3.90 | 3.30 | 3.60 | | | 27.18 | | |
| | | 1 | 10.60 | 3.75 | 4.30 | 4.03 | | | 42.67 | | |
| | **Perpendiculer road from 2nd A cross** | | | | | | | | | | |
| | | 1 | 3.70 | 5.40 | 5.20 | 5.30 | | | 19.61 | | |
| | | 1 | 14.80 | 4.70 | 3.70 | 4.20 | | | 62.16 | | |
| | | 1 | 15.00 | 3.30 | 3.40 | 3.35 | | | 50.25 | | |
| | | 1 | 15.00 | 3.40 | 3.80 | 3.60 | | | 54.00 | | |
| | | 1 | 12.30 | 3.80 | 3.60 | 3.70 | | | 45.51 | | |
| | | 1 | 8.50 | 2.90 | 2.60 | 2.75 | | | 23.38 | | |
| | **Katerramma Layout** | | | | | | | | | | |
| | **1st cross** | | | | | | | | | | |

Assistant Executive Engineer
Vijayaranyapura Sub Division
BBMP, Bangalore - 97

| Item No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Unit | Qty | Rate in Rs | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 15.00 | 4.85 | 4.30 | 4.58 | | | 68.63 | | |
| | | 1 | 15.00 | 4.30 | 4.55 | 4.43 | | | 66.38 | | |
| | | 1 | 18.70 | 4.55 | 5.00 | 4.78 | | | 89.29 | | |
| | **2nd cross** | | | | | | | | | | |
| | | 1 | 15.00 | 5.00 | 4.70 | 4.85 | | | 72.75 | | |
| | | 1 | 15.00 | 4.70 | 4.55 | 4.63 | | | 69.38 | | |
| | | 1 | 19.00 | 4.55 | 4.00 | 4.28 | | | 81.23 | 3414-17 | |
| | **Deductions** | | | | | | | | | | |
| | **Byrappa Garden** | | | | | | | | | | |
| | **Cross road from 1st to 5th cross** | | | | | | | | | | |
| | Electric Pole | -5 | 0.20 | 0.20 | 0.20 | 0.20 | | | -0.20 | | |
| | Man Hole | -3 | | (3.142*0.9*0.9/4) | | | | | -1.91 | | |
| | **6th cross from Main road** | | | | | | | | | | |
| | Man Hole | -2 | | (3.142*0.9*0.9/4) | | | | | -1.27 | | |
| | **K.N.E. College 4th block** | | | | | | | | | | |
| | **7th A Cross From Dead end** | | | | | | | | | | |
| | Electric Pole | -1 | 0.20 | 0.20 | 0.20 | 0.20 | | | -0.04 | | |
| | Trees | -2 | | (3.142*0.45*0.45/4) | | | | | -0.32 | | |
| | **10th Cross From Main road** | | | | | | | | | | |
| | Electric Pole | -1 | 0.20 | 0.20 | 0.20 | 0.20 | | | -0.04 | | |
| | Man Hole | -2 | | (3.142*0.9*0.9/4) | | | | | -1.27 | | |
| | **Vinayaka Temple Surroundings** | | | | | | | | | | |
| | Chamber | -1 | 2.30 | 1.90 | 1.90 | 1.90 | | | -4.37 | | |
| | Steps | -1 | 2.45 | 0.85 | 0.85 | 0.85 | | | -2.08 | | |
| | | -1 | 1.00 | 0.35 | 0.35 | 0.35 | | | -0.35 | | |
| | Column | -4 | 0.40 | 0.40 | 0.40 | 0.40 | | | -0.64 | | |
| | Temple | -1 | 4.90 | 5.12 | 5.12 | 5.12 | | | -25.09 | | |
| | | -1 | 3.15 | 2.50 | 2.50 | 2.50 | | | -7.88 | | |
| | **Ramakka-Dasappa Layout** | | | | | | | | | | |
| | **2nd A cross** | | | | | | | | | | |
| | Ramp | -1 | 3.00 | 0.20 | 0.20 | 0.20 | | | -0.60 | | |
| | **Kateramma Layout** | | | | | | | | | | |
| | **1st cross** | | | | | | | | | | |
| | Ramp | -1 | 1.30 | 1.00 | 1.00 | 1.00 | | | -1.30 | | |
| | | -1 | 1.00 | 0.40 | 0.40 | 0.40 | | | -0.40 | | |
| | | -1 | 4.00 | 1.00 | 1.00 | 1.00 | | | -4.00 | | |
| | | -1 | 3.00 | 1.00 | 1.00 | 1.00 | | | -3.00 | | |
| | | -1 | 4.00 | 0.50 | 0.50 | 0.50 | | | -2.00 | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | | | -0.64 | | |
| | **2nd cross** | | | | | | | | | | |
| | Ramp | -1 | 5.00 | 0.30 | 0.30 | 0.30 | | | -1.50 | | |
| | Man Hole | -2 | | (3.142*0.9*0.9/4) | | | | | -1.27 | 60.14 | |
| | | | | | | | | **Present Qty** | **Sqm** | **3353.92** | **72.08** | **241750.43** |
| **E-1** | Providing granite slabs of selected quality roughly dressed having a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete. (Page No.27/ Item No.5.31.2/ PWD SR 2018-19) | | | | | | | | | | |
| | **Doddabommasandra Main road** | | | | | | | | | | |
| | From 2nd Main to 1st A main road | | | | | | | | | | |
| | | 1 | 10.20 | 0.90 | | | | | 9.18 | | |
| | | 1 | 10.80 | 0.90 | | | | | 9.72 | | |
| | **1st A Main road** | | | | | | | | | | |
| | | 1 | 3.60 | 0.90 | | | | | 3.24 | | |
| | | 1 | 5.45 | 0.90 | | | | | 4.91 | | |
| | | 1 | 2.35 | 0.90 | | | | | 2.12 | | |
| | **Missing Slabs** | | | | | | | | | | |
| | **K.N.E. College 4th block** | | | | | | | | | | |
| | 7th A Cross From Dead end | | | | | | | | | | |
| | LHS | 8 | 0.60 | 0.90 | | | | | 4.32 | | |
| | | 5 | 0.60 | 0.90 | | | | | 2.70 | 36.18 | |
| | | | | | | | | **Present Qty** | **Sqm** | **36.18** | **966.72** | **34975.93** |
| **E-2** | KSRB 5-8.1 : Providing one line dressing to granite stone slab / granite stone masonry as per specifications .KBS 5.1.13 (Page No.26/ Item No.5.17/ PWD SR 2018-19) | | | | | | | | | | |
| | | | **Qty Same as per Vide Item No.E-1** | | | | | | 36.18 | | |
| | | | | | | | | **Present Qty** | **Sqm** | **36.18** | **950.82** | **34400.67** |

Assistant Executive Engineer Vijayanyapura Sub Division BBMP, Bangalore - 97

| Item No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Unit | Qty | Rate in Rs | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Total | 8538984.40 |
| | | | | | | | | | | GST Charges 12% | 1024678.13 |
| | | | | | | | | | | KRIDL Charges 4% | 341559.38 |
| | | | | | | | | | | Grand Total | 9905221.90 |

BVH Consulting Engineers Pvt. Ltd. PMC Bangalore

Assistant Engineer
Ward No.10

Asst. Executive Engineer,
Vidyaranya Pura Sub division

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97